

Hermatypic Corals Plio-Plistosen Formasi Paciran Daerah Tuban Cekungan Jawa Timur Utara

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Abstract

The shallow marine *paleoreef* complex of Paciran Formation that outcropped at Tuban area has been dominated by a hermatypic corals. Systematically, it has been classified the 26 species from 23 genera and occurred at 0-25 meter depth. The facies *massive head coral framestone*, *branching coral boundstone* has been dominated and fasies rhodolith, except bioclastics of *rudstone*, *floatstone*, *grainstone*, *packstone*, *wackestone* and *mudstone*.

The hermatypic corals are as follow: *Madrachis kirbyi* Milne-Edwards and Haime 1848; *Acropora aspera* (Dana 1846); *Agaricia* sp. Lamarck 1801; *Astreopora incrustans* Bernard 1896; *Coelosera mayeri* Vaughan 1918; *Porites compressa* Dana 1846; *Porites compressa* Dana 1846; *Porites compressa* Dana 1846; *Porites lutea* Milne-Edwards and Haime 1851; *Porites* sp.; *Pavona lata* Dana 1846; *Goniopora lobata* Milne-Edwards and Haime 1846; *Fungia* sp. Quoyi and Gaimard 1833; *Cycloseris cyclolithes* (Lamarck 1801); *Cycloseris cyclolithes* (Lamarck 1801); *Hydnophora exesa* (Pallas 1766); *Hydnophora microcosnos* (Lamarck 1816); *Platygyra lamellina* (Ehrenberg 1834); *Goniastrea* sp. Chevalier; *Leptoria phrygia* (Ellis and Solander 1786); *Diploastrea heliopora* (Lamarck 1816); *Galaxea fascicularis* (Linne 1758); *Trachyphyllia geoffroyi* (Audouin 1826); *Clavaria scrabacula* (Dana 1846); *Scapophyllia cylindrica* Milne-Edwards and Haime 1848; *Cynarina lacrymalis* Milne-Edwards and Haime 1848; *Euphyllia glabrescens* (Chamisso and Eysenhardt 1821); *Catalaphyllia plicata* (Milne-Edwards and Haime 1857) and *Turbinaria peltata* (Esper 1797).

Key words: Hermatypic corals, Reef, Paciran Formation, Tuban

Abstrak

Komplek terumbu laut dangkal Formasi Paciran di daerah Tuban dibangun dominan oleh *hermatypic corals*. Sistematika paleontologi menunjukkan terdapat 26 spesies dari 23 genus koral yang diklasifikasikan dan yang terdapat pada kedalaman 0-25 meter. Facies *massive head coral framestone*, *branching coral boundstone* nampak mendominasi dan fasies rhodolit, selain bioklastik yakni fasies *rudstone*, *floatstone*, *grainstone*, *packstone*, *wackestone* dan *mudstone*.

Hermatypic coral antara lain: *Madrachis kirbyi* Milne-Edwards and Haime 1848; *Acropora aspera* (Dana 1846); *Agaricia* sp. Lamarck 1801; *Astreopora incrustans* Bernard 1896; *Coelosera mayeri* Vaughan 1918; *Porites compressa* Dana 1846; *Porites compressa* Dana 1846; *Porites compressa* Dana 1846; *Porites lutea* Milne-Edwards and Haime 1851; *Porites* sp.; *Pavona lata* Dana 1846; *Goniopora lobata* Milne-Edwards and Haime 1846; *Fungia* sp. Quoyi and Gaimard 1833; *Cycloseris cyclolithes* (Lamarck 1801); *Cycloseris cyclolithes* (Lamarck 1801); *Hydnophora exesa* (Pallas 1766); *Hydnophora microcosnos* (Lamarck 1816); *Platygyra lamellina* (Ehrenberg 1834); *Goniastrea* sp. Chevalier; *Leptoria phrygia* (Ellis and Solander 1786); *Diploastrea heliopora* (Lamarck 1816); *Galaxea fascicularis* (Linne 1758); *Trachyphyllia geoffroyi* (Audouin 1826); *Clavaria scrabacula* (Dana 1846); *Scapophyllia cylindrica* Milne-Edwards and Haime 1848; *Cynarina lacrymalis* Milne-Edwards and Haime 1848; *Euphyllia glabrescens* (Chamisso and Eysenhardt 1821); *Catalaphyllia plicata* (Milne-Edwards and Haime 1857) dan *Turbinaria peltata* (Esper 1797).

Kata Kunci: *hermatypic corals*, *Paleoreef*, Formasi Paciran, Tuban, perubahan muka laut.